COURSE DETAIL

ENVIRONMENTAL NANOTECHNOLOGY
Country China
Host Institution Fudan University
Program(s) Fudan University
UCEAP Course Level Upper Division
UCEAP Subject Area(s) Environmental Studies
UCEAP Course Number 114
UCEAP Course Suffix
UCEAP Official Title ENVIRONMENTAL NANOTECHNOLOGY
UCEAP Transcript Title ENVIRONMNT NANOTECH
UCEAP Quarter Units 3.00
UCEAP Semester Units 2.00

Course Description

Nanotechnology is an emerging field that covers a wide range of technologies which are presently under development in nanoscale. It plays a major role in the development of innovative methods to produce new products, to substitute existing production equipment and to reformulate new materials and chemicals with improved performance resulting in less consumption of energy and materials and reduced harm to the environment as well as environmental remediation. Environmental applications of nanotechnology address the development of solutions to the existing environmental problems, preventive measures for future problems resulting from the interactions of energy and materials with the environment, and any possible risks that may be posed by nanotechnology itself. This course gives a comprehensive review on the ongoing research and development activities on environmental remediation by nanotechnology.

Language(s) of Instruction
English

Host Institution Course Number
ENVI130082

Host Institution Course Title
ENVIRONMENTAL NANOTECHNOLOGY

Host Institution Campus

Host Institution Faculty

Host Institution Degree

Host Institution Department
Environmental Science and Engineering

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